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Substitute form 1449A/B

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

1 of 20

Application Number	10/716,595	
Filing Date	November 20, 2003	
First Named Inventor	Michael Farmwald et al.	
Art Unit	2827	
Examiner Name	Tan Nguyen	
Attorney Docket Number	57941.000062	

U.S. PATENT DOCUMENTS							
*Examiner Initials	Cite No.		OCUMENT NUMBER er - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
_	1.	US	3,031,643	04-24-1962	Sheftelman		
	2.	US	3,068,405	12-11-1962	Glazer		
	3.	US	3,204,180	08-31-1965	Bray		
	4.	US	3,243,665	03-29-1966	Fayer		
	5.	US	3,348,141	10-17-1967	Jensen		
	6.	US	3,377,518	04-09-1968	Radcliffe		
	7.	US	3,562,432	02-09-1971	Gabbard		
	8.	US	3,585,500	06-15-1971	Grubel		
	9.	US	3,654,395	04-04-1972	Schmidt		
	10.	US	3,671,865	06-20-1972	Szumila		
	11.	US	3,713,025	01-23-1973	McNair		
	12.	US	3,760,261	01-18-1973	Collins		
	13.	US	3,801,981	04-02-1974	Alpers		
	14.	US	3,886,454	03-27-1975	Oakley		
	15.	US	3,906,159	09-16-1975	Lutz		
	16.	US	4,021,625	05-03-1977	Bradley		
	17.	US	4,047,201	09-06-1977	Kerllenevich		
	18.	US	4,053,950	10-11-1977	Bourke		
	19.	US	4,056,843	11-01-1977	Bishop		
	20.	US	4,063,080	12-13-1977	Eichelberger		
	21.	US	4,079,448	03-14-1978	N'Guyen		
	22.	US	4,117,267	09-26-1978	Haberle		
	23.	US	4,142,069	02-27-1979	Stover		
	24.	US	4,214,261	07-22-1980	Bazin		
	25.	US	4,250,352	02-10-1981	Workman, Sr.		

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Substitute fo	or form 1449A/PTO	Application Number	10/716,595
INIEO	RMATION DISCLOSURE	Filing Date	November 20, 2003
	EMENT BY APPLICANT	First Named Inventor	Michael Farmwald et al.
		Art Unit	2827
(L	ise as many sheets as necessary)	Examiner Name	Tan Nguyen
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	26.	US	4,255,814	03-10-1981	Osborn			
	27.	US	4,271,483	06-02-1981	Baldwin			
	28.	US	4,320,505	03-16-1982	Braun, Jr.			
	29.	US	4,335,426	06-15-1982	Maxwell			
	30.	US	4,337,463	06-29-1982	Vangen			
	31.	US	4,359,735	11-16-1982	Lewis			
	32.	US	4,360,827	11-23-1982	Braun			
	33.	US	4,365,297	12-21-1982	Grisham, Jr.			
	34.	US	4,411,007	10-18-1983	Rodman			
	35.	US-	4,458,357	07-03-1984	Weymouth, et al.			
	36.	US-	4,493,021	01-01-1985	Agrawal, et al.			
	37.	US	4,500,991	02-19-1985	Lubcke			
	38.	US	4,532,569	07-30-1985	Salcedo			
	39.	US	4,596,025	06-17-1986	Satoh			
	40.	US	4,612,594	09-16-1986	Yamaura			
	41.	US-	4,635,196	01-06-1987	Nakamura, et al.			
	42.	US-	4,683,555	07-28-1987	Pinkham			
	43.	US	4,696,019	09-22-1987	Tulpule			
	44.	US-	4,727,455	02-23-1988	Neidig, et al.			
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	46.	US	4,740,923	04-26-1988	Kaneko, et al.			
	47.	US	4,758,993	07-19-1988	Takemae			
	48.	US	4,811,336	03-07-1989	Backhaus			
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO **Application Number** 10/716,595 **Filing Date** November 20, 2003 INFORMATION DISCLOSURE **First Named Inventor** Michael Farmwald et al. STATEMENT BY APPLICANT 2827 **Art Unit** (use as many sheets as necessary) **Examiner Name** Tan Nguyen Sheet 3 of 20 **Attorney Docket Number** 57941.000062

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	51.	US 5,001,626	03-19-1991	Kashiyama				
	52.	US 5,021,722	06-04-1991	Llerena, et al.				
	53.	US 5,040,153	08-13-1991	Fung et al.				
	54.	US 5,175,822	12-29-1992	Dixon, et al.				
	55.	US 5,243,703	09-07-1993	Farmwald				
	56.	US 5,257,892	11-02-1993	Branch				
	57.	US 5,319,755	06-07-1994	Farmwald, et al.				
	58.	US 5,335,206	08-02-1994	Kawamoto				
	59.	US 5,361,343	11-01-1994	Kosonocky, et al.				
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	61.	US 5,455,923	10-03-1995	Kaplinsky				
	62.	US 5,473,575	12-05-1995	Farmwald, et al.				
	63.	US 5,498,990	03-12-1996	Leung				
	64.	US 5,499,385	03-12-1996	Farmwald, et al.				
	65.	US 5,524,249	06-04-1996	Simmons				
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	72.	US 5,613,077	03-18-1997	Leung				
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	76.	US 5,638,334	06-10-1997	Farmwald, et al.				
	77.	US 5,655,113	08-05-1997	Leung				
	78.	US 5,657,481	08-12-1997	Farmwald, et al.				
	79.	US 5,657,841	08-19-1997	Morvan				
	80.	US 5,673,398	09-30-1997	Takeda				
	81.	US 5,696,729	12-09-1997	Kitamura				
	82.	US 5,712,882	01-27-1998	Miller				
	83.	US 5,734,685	03-31-1998	Bedell				
	84.	US 5,737,587	04-07-1998	Leung				
	85.	US 5,742,194	04-21-1998	Saeki				
	86.	US 5,745,421	04-28-1998	Pham, et al.				
`	87.	US 5,754,838	05-19-1998	Shibata				
, ,	88.	US 5,768,213	06-16-1998	Jung				
	89.	US 5,787,041	07-28-1998	Hill, et al.				
	90.	US 5,790,839	08-04-1998	Luk				
	91.	US 5,809,263	09-15-1998	Farmwald, et al.				
	92.	US 5,815,462	09-29-1998	Konishi				
	93.	US 5,826,026	10-27-1998	Friedman				
	94.	US 5,841,580	11-24-1998	Farmwald, et al.				
	95.	US 5,841,707	11-24-1998	Cline, et al.				
	96.	US 5,841,715	11-24-1998	Farmwald, et al.				
	97.	US 5,847,999	12-08-1998	Kwon				
	98.	US 5,860,125	01-12-1999	Reents				
	99.	US 5,886,946	03-23-1999	Ooishi				
	100.	US 5,915,105	06-22-1999	Farmwald, et al.				

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	101.	US	5,917,760	06-29-1999	Millar			
	102.	US	5,928,343	07-27-1999	Farmwald, et al.			
	103.	US	5,930,197	07-27-1999	Ishibashi			
	104.	US	5,953,263	09-15-1999	Farmwald, et al.			
	105.	US	5,954,804	09-21-1999	Farmwald, et al.			
	106.	US	5,983,320	11-20-1999	Farmwald, et al.			
	107.	US	5,995,443	11-30-1999	Farmwald, et al.			
	108.	US	5,995,904	09-21-1999	Willen			
	109.	US	6,014,339	01-11-2000	Kobayashi			
	110.	US	6,032,215	02-29-2000	Farmwald, et al.			
	111.	US	6,035,365	03-07-2000	Farmwald, et al.			
	112.	US	6,044,426	02-28-2000	Farmwald, et al.			
	113.	US	6,049,846	04-11-2000	Farmwald, et al.			
	114.	US	6,067,592	05-23-2000	Farmwald, et al.			
	115.	US	6,070,222	05-20-2000	Farmwald, et al.			
	116.	US	6,085,284	07-04-2000	Farmwald, et al.			
	117.	US	6,088,774	07-11-2000	Gilliingham			
	118.	US	6,101,152	08-08-2000	Farmwald, et al.			
/	119.	US	6,128,696	10-03-2000	Farmwald, et al.			
	120.	US	6,128,700	10-03-2000	Hsu			
	121.	US	6,182,184	01-30-2001	Farmwald, et al.			
	122.	US	6,185,644	02-06-2001	Farmwald, et al.			
	123.	US	6,226,723	05-01-2001	Gustavson			
	124.	US	6,259,288	07-10-2001	Nishimura			
	125.	US	6,260,097	07-10-2001	Farmwald, et al.			

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Substitute for form 1449A/PTO		Application Number	10/716,595
INIEO	RMATION DISCLOSURE	Filing Date	November 20, 2003
		First Named Inventor	Michael Farmwald et al.
	TEMENT BY APPLICANT	Art Unit	2827
(use as many sheets as necessary)		Examiner Name	Tan Nguyen
Sheet	6 of 20	Attorney Docket Number	57941.000062

	U.S. PATENT DOCUMENTS						
*Examiner Cite Initials No.		DOCUMENT NUMBER Number - Kind Code (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	126.	US	6,266,285	07-24-2001	Farmwald, et al.		
	127.	US	6,272,577	08-07-2001	Leung		
	128.	US	6,304,937	10-16-2001	Farmwald, et al.		
	129.	US	6,314,051	11-06-2001	Farmwald, et al.		
	130.	US	6,324,120	11-27-2001	Farmwald, et al.		
-	131.	US	6,378,020	04-23-2002	Farmwald, et al.		
	132.	US	6,415,339	07-02-2002	Farmwald, et al.		
	133.	US	6,442,644	08-27-2002	Gustavson		
	134.	US	6,452,863	09-17-2002	Farmwald, et al.		
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		FOREIGN PATENT DOCUMENT				Pages, Columns, Lines,				
*Examiner	Cite	Country	Code Number-Kind	Publication Date	Name of Patentee or Applicant of Cited	Where Relevant Passages or Relevant	TRANSLAT	TION		
Initial	No.			MM-DD-YYYY	Document	Figures Appear	YES	NO		
	136.	wo	91/16680	10-31-1991	Farmwald, et al.		X			
	137.	JP	61-107453	05-26-1986	Sano					
					1,00,000					

EXAMINER SIGNATURE	DATE CONSIDERED	

Substitute for form 1449A/PTO		Application Number	10/716,595
INEO	RMATION DISCLOSURE	Filing Date	November 20, 2003
	EMENT BY APPLICANT	First Named Inventor	Michael Farmwald et al.
	ISE as many sheets as necessary)	Art Unit	2827
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	OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS				
*Examiner	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue	TRANSL	r	
	138.	number(s), publisher, city and/or country where published Anceau, François, "A Synchronous Approach for Clocking VLSI Systems," IEEE Journal of Solid-State Circuit, Vol. SC-17, No. 1, Feb. 1982, pp. 51-56.	YES	NO	
	Circuit, Vol. 3C-17, No. 1, Feb. 1902, pp. 51-50.				
	139.	Bursky, "Memory-CPU Interface Speeds Up Data Transfer," Electronic Design, pp. 137-142, March 1992			
	140.	Bursky, "Multibaked Architecture Provides Fast, Flexible and Redundant DRAMs," Electronic Design, pgs 41-41, August 22, 1994.			
	141.	Carter, "Survey of Synchronization Technique for a TDMA Satellite-Switched System," IEEE Transaction on Communications, Vol. COM-28, No. 8, pp. 1291-1300, August 1980		Ш	
	142.	Claim chart for claims 30-33, 35-36, and 38-41 of the 6,378,020 patent based on the JEDEC Standard as filed in Replacement Request for Inter Partes Reexamination Under 35 U.S.C. §§ 311-318 in Reexam of U.S. Patent 6,378,020 dated January 31, 2008.			
	143.	Claim chart for claims 30-33, 35-36, and 38-41 of the 6,378,020 patent based on Park, with additional reference to the JEDEC Standard as filed in Replacement Request for Inter Partes Reexamination Under 35 U.S.C. §§ 311-318 in Reexam of U.S. Patent 6,378,020 dated January 31, 2008.			
	144.	Claim chart for claims 30-33, 35-36, and 38-41 of the 6,378,020 patent based on the iAPX Manual, with additional reference to Inagaki, the iAPX Specification, and Gover as filed in Replacement Request for Inter Partes Reexamination Under 35 U.S.C. §§ 311-318 in Reexam of U.S. Patent 6,378,020 dated January 31, 2008.			
	145.	Claim chart for claims 30-33, 35-36, and 38-41 of the 6,378,020 patent based on Budde, with additional reference to Inagaki and Grover as filed in Replacement Request for Inter Partes Reexamination Under 35 U.S.C. §§ 311-318 in Reexam of U.S. Patent 6,378,020 dated January 31, 2008.			
	146.	Defendant Infineon Technologies AG's First Supplemental Responses to Plaintiff's Interrogatories Nos. 3, 5, and 6, dated Dec. 4, 2000.			
	147.	Defendant Samsung's Preliminary Invalidity Contentions, dated May 18, 2006.			
	148.	Designations of Deposition Testimony For Inclusion In Trial Record in Hynix v. Rambus, CV 00-20905 RMW (N.D. Cal.), filed Apr. 10, 2006.			

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Substitute for form 1449A/PTO		Application Number	10/716,595
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STATEMENT BY APPLICANT (use as many sheets as necessary)		Art Unit	2827
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	OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS					
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		number(s), publisher, city and/or country where published	YES	NO		
	149.	Ellingson, C.E., et al., "Dissemination of System Time," IEEE Transactions on Communications, Vol. COM-21, No. 5, pgs. 605-624, 5 May 1973				
	150.	Exhibit H (Infringement Chart for Rambus's USP 6,032,214) to Rambus's Final infringement Contentions dated December 15, 2004.				
	151.	Exhibit L (Infringement Chart for Rambus's USP 6,067,592) to Rambus's Final infringement Contentions dated December 15, 2004.				
	152.	Exhibit N (Infringement Chart for Rambus's USP 6,324,120) to Rambus's Final infringement Contentions dated December 15, 2004.				
	153.	Exhibit O (Infringement Chart for Rambus's USP 6,378,020) to Rambus's Final infringement Contentions dated December 15, 2004.				
·	154.	Exhibit Q (Infringement Chart for Rambus's USP 6,452,863) to Rambus's Final infringement Contentions dated December 15, 2004.				
	155.	File History of U.S. Patent No. 6,032,214 ("the '214 parent patent").				
	156.	File History of U.S. Patent 6,049,846 ("the '846 parent patent") deposited on April 18, 1990.				
	157.	File History of U.S. Patent No. 6,182,184.				
	158.	File History of U.S. Patent No. 6,324,120.				
	159.	File History of U.S. Patent No. 6,378,020 issued April 23, 2002.				

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initiais	number(s), publisher, city and/or country where published		YES	NO	
	160.	Gary, et al., "PowerPC603, A Microprocessor for Portable Computers," IEEE Design & Test of Computers, 1994			
	161.	Hartmann, et al., "Synchronization Techniques for Digital Networks," IEEE Journal on Selected Areas in Communications, Vol. SAC-4, No. 4, pp. 506-513, July 1986			
	162.	Horowitz, et al., "PLL Design for a 500MB/s Interface," ISSCC 93: Session 10 – High Speed Communication and Interfaces, 1993			
	163.	Hynix-I, Exhibit S to Rambus Inc.'s Final Infringement Contentions, Hynix Data Sheet for HY5DU28422T dated April 1, 2001.			
	164.	Hynix's Final Invalidity Contentions dated January 28, 2005.			
	165.	Hynix's Memorandum Of Points And Authorities in Motion Of Its Motion For A New Trial On Invalidity Due To Prior Art, dated May 16, 2006.			
	166.	Hynix's Motion For Judgment As A Matter Of Law And Motion For New Trial Regarding Invalidity Of Rambus's Asserted Claims For Failure To Satisfy The Written Description Requirement 0f 35 U.S.C. § 112, ¶ 1, dated May 5, 2006.			
	167.	Hynix's Notice Of Motion And Motion For Summary Judgment Of Invalidity Under Rambus's Proposed Construction Of "Synchronous Memory Device," dated Jan. 12. 2004.			
	168.	Hynix's Notice Of Motion And Motion For Summary Judgment Of Invalidity Of Claims Referring To "Precharge Information" Under Rambus's Proposed Construction, dated Jan. 12, 2004.			
	169.	Hynix's Notice Of Motion And Motion For Summary Judgment Of Invalidity Of U.S. Patent No. 6,378,020 For Failure To Satisfy The Written Description Requirement Of 35 U.S.C. § 112, ¶ 1, dated Feb. 11, 2005.			
	170.	Hynix's Notice Of Motion And Motion For Summary Judgment Of Invalidity Of U.S. Patent Nos. 6,378,020 and 5,915,105 Under 35 U.S.C. § § 102 And/Or 103, dated Feb. 11, 2005.			

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	171.	Hynix's Notice Of Motion And Motion For Summary Judgment Of Non-Infringement Under Proposed Constructions Of "Block Size Information," dated Jan, 12, 2004.				
	172.	Hynix's Notice Of Motion And Motion For Summary Judgment Of Non-Infringement Under Hynix's Proposed Construction Of "Second External Clock Signal" Or, In The Alterative, Invalidity Under Rambus's Proposed Construction, dated Jan. 12, 2004.				
	173.	Hynix's Notice Of Motion And Motion For Summary Judgment Of Non-Infringement Under Hynix's Proposed Construction Of The Term "Device" Or, In The Alterative, Invalidity Under Rambus's Proposed Construction, dated Jan. 12, 2004.				
	174.	Hynix's Notice Of Motion And Motion For Summary Judgment Of Non-Infringement Under Hynix's Proposed Construction Of "Operation Code" Or, In The Alternative, Invalidity Under Rambus's Proposed Construction, dated Jan. 12, 2004.				
	175.	Hynix's Notice Of Motion And Motion For Summary Judgment Of Non-infringement Under The Doctrine Of Equivalents Of Patent Claims Including "Read Request," dated Feb. 11, 2005.				
	176.	Hynix's Notice Pursuant to 35 U.S.C. § 282, dated Feb. 3, 2006.				
	177.	Hynix's Preliminary Invalidity Contentions dated October 1, 2001.				
	178.	Hynix's Renewed Motion For Judgment As A Matter Of Law And Motion For New Trial Regarding The Claim Limitation "Delayed Locked Loop," dated May 5, 2006.				
	179.	Hynix's Renewed Motion For Judgment As A Matter Of Law And Motion For New Trial Regarding Claims Containing The "Access Time Register" Limitations, dated May 5, 2006.				
	180.	Hynix's Renewed Motion For Judgment As A Matter Of Law And Motion For New Trial Regarding The "In Response To A Rising/Falling Edge" Limitation, dated May 5, 2006.				
	181.	Hynix's Renewed Motion For Judgment As A Matter Of Law And Motion For The New Trial Regarding The "Read Request" Claim Limitation, dated May 5, 2006.				

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		Attorney Docket Number	57941.000062

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*Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue	TRANSL	ATION		
Initials	number(s), publisher, city and/or country where published		YES	NO		
	182.	Hynix's Reply Memorandum In Support Of Motion And Motion For Summary Judgment Of Invalidity Of Claims Referring To "Precharge Information" Under Rambus's Proposed Construction, dated Mar. 3, 2004.				
	183.	Hynix's Reply Memorandum in Support Of Motion For Summary Judgment Of Invalidity Under Rambus's Proposed Construction Of "Synchronous Memory Device," dated Mar. 3, 2004.				
	184.	Hynix's Reply Memorandum In Support Of Motion For Summary Judgment Of Non-Infringement Under Proposed Constructions Of "Block Size Information," dated Mar. 3, 2004.				
	185.	Hynix's Reply Memorandum In Support Of Motion For Summary Judgment Of Non-Infringement Under Hynix's Proposed Construction Of "Second External Clock Signal" Or, In The Alternative, Invalidity Under Rambus's Proposed Construction, dated Mar. 3, 2004.				
	186.	Hynix's Reply Memorandum In Support Of Motion For Summary Judgment Of Non-Infringement Under Hynix's Proposed Construction Of The Term "Device" Or, In The Alternative, Invalidity Under Rambus's Proposed Construction, dated Mar. 3, 2004				
	187.	Hynix's Reply Memorandum in Support Of Motion For Summary Judgment Of Non-Infringement Under Hynix's Proposed Construction Of "Operation Code" Or, In The Alternative, Invalidity Under Rambus's Proposed Construction, dated Mar. 3, 2004.				
	188.	Hynix's Reply Memorandum In Support Of Motion For Summary Judgment Of Invalidity Of U.S. Patent Nos. 6,378,020 For Failure To Satisfy The written Description Requirement of 35 U.S.C. § 112, ¶ 1, dated Mar. 4, 2005.				
	189.	Hynix's Reply Memorandum In Support Of Motion For Summary Judgment Of Non-Infringement Under The Doctrine Of Equivalents Of Patent Claims Including "Read Request," dated Mar. 4, 2005.				
	190.	Hynix's Reply Memorandum in Support Of Motion For Summary Judgment Of Invalidity Of Patent Claims Including "Precharge Information" For Failure To Satisfy The Written Description Requirement Of 35 U.S.C. § 112, ¶ 1, dated Mar. 4, 2005.				
	191.	Hynix's Reply Memorandum In Support Of Motion For Summary Judgment Of Invalidity Of U.S. Patent Nos. 6,378,020 and 5,915,105 Under 35 U.S.C. § § 102 And/Or 103, dated Mar. 4, 2005.				
	192.	Hynix's Reply Memorandum In Support Of Motion For Summary Judgment Of Invalidity Of Patent Claims Including "Delay Locked Loop" For Failure To Satisfy The Written Description Requirement Of 35 U.S.C. § 112, ¶ 1, dated Mar. 4, 2005.				

EXAMINER SIGNATURE	DATE CONSIDERED	

Substitute for form 1449A/PTO		Application Number	10/716,595
INFO	RMATION DISCLOSURE	Filing Date	November 20, 2003
		First Named Inventor	Michael Farmwald et al.
STATEMENT BY APPLICANT (use as many sheets as necessary) Sheet 12 of 20		Art Unit	2827
		Examiner Name	Tan Nguyen
		Attorney Docket Number	57941.000062

_	OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS						
*Examiner	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION YES NO				
-	193.	Hynix's Reply Re: Motion For A New Trial On Invalidity Based On Prior Art, dated June 8, 2006.					
	194.	Hynix's Reply Re: Renewed Motion For Judgment As A Matter Of Law And Motion For New Trial Regarding The Claim Limitation "Delayed Locked Loop," dated May 26, 2006.					
	195.	Hynix's Reply Re: Renewed Motion For Judgment As A Matter Of Law And Motion For New Trial Regarding Claims Containing The "Access Time Register" Limitations, dated May 26, 2006.					
	196.	Hynix's Reply Re: Renewed Motion For Judgment As A Matter Of Law And Motion For New Trial Regarding Invalidity Of Rambus's Asserted Claims For Failure To Satisfy The Written Description Requirement Of 35 U.S.C. § 112, ¶1, dated May 26, 2006.					
	197.	Hynix's Reply Re: Renewed Motion For Judgment As A Matter Of Law And Motion For New Trial Regarding The "In Response To A Rising/Falling Edge" Limitation, dated May 26, 2006.					
	198.	Hynix's Reply Re: Renewed Motion For Judgment As A Matter Of Law And Motion For New Trial Regarding The "Read Request" Claim Limitation, dated May 26, 2006.					
	199.	Hynix's Response To Rambus's Supplemental Brief Re Construction of "Synchronous Memory Device" And Definition Of "Packet," dated Mar. 29, 2004.					
	200.	Hynix's Responsive Claim Construction Brief, dated Nov. 10, 2003.					
	201.	Hynix's Notice Of Motion And Motion For Summary Judgment Of Invalidity Of Patent Claims Including "Precharge Information" For Failure To Satisfy The Written Description Requirement Of 35 U.S.C. § 112, ¶ 1, dated Feb. 11, 2005.					
	202.	Hynix's Notice Of Motion And Motion For Summary Judgment Of Invalidity Of Patent Claims Including "Delay Locked Loop" For Failure To Satisfy The Written Description Requirement Of 35 U.S.C. § 112, ¶ 1, dated Feb. 11, 2005.					
	203.	Infineon Technologies AG's Amended Prior Art Notice Pursuant to 35 U.S.C. § 282, dated Mar. 9, 2001					

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Substitute for form 1449A/PTO		Application Number	10/716,595
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	• • • • • • • • • • • • • • • • • • • •	First Named Inventor	Michael Farmwald et al.
STATEMENT BY APPLICANT (use as many sheets as necessary)		Art Unit	2827
		Examiner Name	Tan Nguyen
Sheet	13 of 20	Attorney Docket Number	57941.000062

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	204.	Inter Partes Reexamination Communication and Transmittal of Communication to Third Party Requester Inter Partes Reexamination forwarding Order Granting Request for Inter Partes Reexamination in Control No. 95/001,008 (6,715,020) dated 12/2007	YES	NO			
	205.	Knight, Tom et al., "Self Terminating Low Voltage Swing CMOS Output Driver," IEEE 1987 Custom Integrated Circuits Conference, July 1987, pp. 289-292.					
	206.	Kopetz, et al., "Clock Synchronization in Distributed Real-Time Systems, "IEEE Transactions on Computers, Vol. C-30, No. 8, pp. 933-940, August 1987.					
	207.	Kushiyama, et al., "A 500-Megabyte/s Data-Rate 4.5M DRAM," IEEE Journal of Solid State Circuits, Vol. 28, No. 4, pgs. 490-498, April 1993.					
	208.	Lee, et al., "A 2.5v CMOS Delay-Locked Loop for an 18Mbit, 500 Megabyte/s DRAM," IEEE Journal of Solid-State Circuits, Vol. 29, No. 12, pg 1491-196, December 1994					
	209.	Lee, et al., "A 2.5V Delay-Locked Loop for an 18Mbit, 500 Megabyte/s DRAM," Solid State Circuits Conference, Digest of Technical Papers, 41 st ISSCC International, February 1994					
	210.	Lindsey, et al., "Mutual Synchronization of Two Oscillators," IEEE National Telesystems Conference, November 1982					
	211.	Lindsey, et al., Network Synchronization by Means of a Returnable Timing System," IEEE Transactions on Communications, Vol. COM-26, No. 6, pp.892-896, June 1978					
	212.	Lindsey, et al., Network Synchronization of Random Signals," IEEE Transactions on Communications, Vol. COM-28, No. 8 pp., 1260-1265, August 1980					
	213.	LS1 Logic Preliminary Datasheet, "LR2010 Floating-Point Accelerator," Nov. 1988.					
	214.	LSI Logic Preliminary Datasheet, "LR2000 High Performance RISC Microprocessor," Sept. 1998.					

EXAMINER SIGNATURE	DATE CONSIDERED

Substitute for form 1449A/PTO INFORMATION DISCLOSURE		Application Number	10/716,595
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		First Named Inventor	Michael Farmwald et al.
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	215.	Lundelius, et al., "A New Fault-Tolerant Algorithm for Clock Synchronization," ACM Proceedings of the 3 rd Annual ACM Symposium on Principles of Distributed Computing," June 1984	TES _				
	216.	Micron Technology's Supplemental Response to Interrogatory No. 5, alleging invalidity of the '105 patent, invalidity of the '214 patent, and invalidity of the '195 patent, as cited and filed in an Information Disclosure Statement Under 37 CFR §§ 1.933 & 1.555 in Inter Partes Reexaminations of 6,426,916 (95/000,166), 6,324,129 (95/000,178) and 6,182,184 (95/000,183) dated April 9, 2007.					
	217.	MOSAID Technologies, Synclink Feasibility, v1.1., Synclinc Consortium, April 1996					
	218.	Murphy Charts: Murphy Chart 1 (In Response to Taylor Chart 1) re Budde, pp. 1-62 (Redacted Version); Murphy Chart 2 (In Response to Taylor Chart 2) re iAPX432, pp. 1-84 (Redacted Version); Murphy Chart 11 (In Response to Taylor Chart 11) re U.S. Patent Nos. 5,915,105; 6,034,918; and 6,426,916, pp. 1-9, as cited and filed in a Supplemental Information Disclosure Statement Under 37 CFR §§ 1.933 & 1.555 in Inter Partes Reexaminations of 6,426,916 (95/000,166), 6,324,129 (95/000,178) and 6,182,184 (95/000,183) dated May 2, 2007.					
	219.	Notice of Allowance and Fee Due issued on Dec. 8, 2006, in application serial no. 10/716,596, including Notice of Allowability and Information Disclosure Statement dated December 11, 2006.					
	220.	Ofek, "Integration of Voice Communication on a Synchronous Optical Hypergraph," IEEE IBM T.J. Watson Research Center, 1988					
	221.	Ogiue, Katsumi et al., "13-ns, 500-mW, 64-kbit ECL RAM Using HI-BICMOS Technology," IEEE Journal of Solid-State Circuits, Vol. SC-21, No. 5, pp. 681-685, Oct. 1986.					
	222.	Order Denying Hynix's Motion For Summary Judgment Of Invalidity Of Claims Referring To Precharge Information Under Rambus's Proposed Construction, filed Jan. 4, 2005.					
	223.	Order Denying Hynix's Motion For Summary Judgment Of Invalidity Of U.S. Patent Nos. 6,378,020 For Failure To Satisfy The written Description Requirement of 35 U.S.C. § 112, ¶ 1, filed May 12, 2005.					
	224.	Order Denying Hynix's Motion For Summary Judgment Of Invalidity Of Patent Claims Including "Precharge Information" For Failure To Satisfy The Written Description Requirement Of 35 U.S.C. § 112, ¶ 1, filed May 12, 2005.					

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		Filing Date	November 20, 2003
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		Examiner Name	Tan Nguyen
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Initials	No.	number(s), publisher, city and/or country where published	YES	NO		
	225.	Order Denying Hynix's Motion For Summary Judgment Of Invalidity Of U.S. Patent Nos. 6,378,020 and 5,915,105 Under 35 U.S.C. § § 102 And/Or 103, dated Feb. 28, 2006.				
	226.	Order Denying Hynix's Motion For Summary Judgment Of Invalidity Of Patent Claims Including "Delay Locked Loop" For Failure To Satisfy The Written Description Requirement Of 35 U.S.C. § 112, ¶ 1, filed May 12, 2005.				
	227.	Order Denying Hynix's Motion For Summary Judgment Of Invalidity Under Rambus's Construction Of "Synchronous Memory Device," filed Jan. 4, 2005.				
	228.	Order Denying Hynix's Motion For Summary Judgment Of Non-Infringement Under Proposed Construction Of "Block Size Information," filed Jan. 4, 2005.				
	229.	Order Denying Hynix's Motion For Summary Judgment Of Non-Infringement Under Hynix's Proposed Construction Of The Term "Device," Or In The Alternative, Invalidity Under Rambus's Proposed Construction, filed Jan. 4, 2005.				
	230.	Order Denying Hynix's Motion For Summary Judgment Of Non-Infringement Under Hynix's Proposed Construction Of "Operation Code" Or, In The Alternative, Invalidity Under Rambus's Proposed Construction, flied Jan. 4, 2005.				
	231.	Order Denying Hynix's Motion For Summary Judgment Of Non-Infringement Under The Doctrine Of Equivalents Of Patent Claims Including "Read Request," filed May 12, 2005.				
	232.	Order Granting Hynix's Motion For Summary Judgment Of Non-Infringement Under Hynix's Proposed Construction Of The Term "Second External Clock" And Denying Alternative Motion For Summary Judgment Of Invalidity Under Rambus's Proposed Construction, Jan. 5, 2005.				
	233.	Pattini, et al., "A Synchronization Technique for On-Board Master Clock of a Regenerative TDMA Satellite Communications System," IEEE International Conference on Communications 1985, Vol. 2, pp. 999-1004, June 1985				
	234.	Peterson, "System-Level Concerns Set Performance Gains," High Performance Systems, pp. 71-77, September 1989				
	235.	Plaintiff Micron Technology, Inc.'s Identification of Prior Art Pursuant to 35 U.S.C. § 282, dated Sept. 28, 2001.				

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	236.	Plaintiffs' Supplemental Submission Regarding "Synchronous Memory Device" And "Packet," dated Mar. 26, 2004.				
	237.	Rambus Data Sheet 8/9 dated March 1, 1996.				
	238.	Rambus Data Sheet, 16/18 Mbit (2Mx 8/9) and 64/72 Mbit (8Mx8/9) Concurrent RDRAM dated 1997.				
	239.	Rambus Inc. v. Hynix Semiconductor, Inc., et al., No. C 05 00334 RMW (N.D. Cal) ("Hynix-II"), Rambus Inc.'s Disclosure of Asserted Claims and Preliminary Infringement Contentions Pursuant to Local Patent Rules filed in Reexam of U.S. 6,378,020 dated February 23, 2007				
	240.	Rambus Inc. v. Hynix Semiconductor, Inc., et al., No. C 05 00334 RMW (N.D. Cal) ("Hynix-II"), Rambus Inc.'s Joint Claim Construction and Prehearing Statement Pursuant to Patent Local Rule 4-3, including Appendix A, Disputed Claim Terms filed in Reexam of U.S. 6,378,020 dated July 11, 2007				
	241.	Rambus Inc. v. Hynix Semiconductor, Inc., et al., No. C 05 00334 RMW (N.D. Cal) ("Hynix-II"), Rambus Inc.'s Opening Markman Brief filed in Reexam of U.S. 6,378,020 dated August 24, 2007				
	242.	Rambus Inc. v. Hynix Semiconductor, Inc., et al., No. C 05 00334 RMW (N.D. Cal) ("Hynix-II"), Defendant's Manufacturer's Responsive Brief on Claim Construction filed in Reexam of U.S. 6,378,020 dated September 14, 2007				
	243.	Rambus Inc. v. Hynix Semiconductor, Inc., et al., No. C 05 00334 RMW (N.D. Cal) ("Hynix-II"), Rambus Inc.'s Reply to Brief to Manufacturer's Responsive Brief on Claim Construction filed in Reexam of U.S. 6,378,020 dated September 28, 2007				
	244.	Rambus Inc.'s Opposition To Hynix's Motion For A New Trial On Validity Over Prior Art, dated June 6, 2006.				
	245.	Rambus Inc.'s Opposition To Hynix's Motion For Judgment As A Matter Of Law And Motion For New Trial Regarding Invalidity Of Rambus's Asserted Claims For Failure To Satisfy The Written Description Requirement Of 35 U.S.C. § 112, ¶1, dated May 19, 2006.				
	246.	Rambus Inc.'s Opposition To Hynix's Motion For Summary Judgment Of Invalidity Of U.S. Patent Nos. 6,378,020 For Failure To Satisfy The written Description Requirement of 35 U.S.C. § 112, ¶ 1, dated Feb. 25, 2005.				

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INIEO	RMATION DISCLOSURE	Filing Date	November 20, 2003
		First Named Inventor	Michael Farmwald et al.
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		OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS		
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rines.	.10.	number(s), publisher, city and/or country where published	YES	NO
	247.	Rambus Inc.'s Opposition To Hynix's Motion For Summary Judgment Of Non-infringement Under The Doctrine Of Equivalents Of Patent Claims Including "Read Request," dated Feb. 25, 2005.		
	248.	Rambus Inc.'s Opposition To Hynix's Motion For Summary Judgment Of Invalidity Of Patent Claims Including "Precharge Information" For Failure To Satisfy The Written Description Requirement Of 35 U.S.C. § 112, ¶ 1, dated Feb. 25, 2005.		
	249.	Rambus Inc.'s Opposition To Hynix's Motion For Summary Judgment Of Invalidity Of U.S. Patent Nos. 6,378,020 and 5,915,105 Under 35 U.S.C. § § 102 And/Or 103, dated Feb. 25, 2005.		
	250.	Rambus Inc.'s Opposition To Hynix's Motion For Summary Judgment Of Invalidity Of Patent Claims Including "Delayed Locked Loop" For Failure To Satisfy The Written Description Requirement Of 35 U.S.C. § 112, ¶ 1, dated Feb. 25, 2005.		
	251.	Rambus Inc.'s Opposition To Hynix's Renewed Motion For Judgment As A Matter Of Law And Motion For New Trial Regarding The Claim Limitation "Delayed Locked Loop," dated May 19, 2006.		
	252.	Rambus Inc.'s Opposition To Hynix's Renewed Motion For Judgment As A Matter Of Law And Motion For New Trial Regarding Claims Containing The "Access Time Register" Limitations, dated May 19, 2006.		
	253.	Rambus Inc.'s Opposition To Hynix's Renewed Motion For Judgment As A Matter Of Law And Motion For New Trial Regarding The "In Response To A Rising/Falling Edge" Limitation, dated May 19, 2006.		
	254.	Rambus Inc.'s Opposition To Hynix's Renewed Motion For Judgment As A Matter Of Law And Motion For The New Trial Regarding The "Read Request" Claim Limitation filed on May 19, 2006.		
	255.	Rambus Interface, "Rambus Interface Technical Description, Version 4.2 - Preliminary of January 20, 1992.		
	256.	Rambus, Inc., "NEC 18Mb Rambus - DRAM Core Interface," Draft of August 9, 1992.		
	257.	Rambus, Inc., "p5 18M RDRAM Test Modes," Draft of August 3, 1992.		

EXAMINER SIGNATURE	DATE CONSIDERED

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initials	No.	number(s), publisher, city and/or country where published	YES	NO
	258.	Rambus RDRAM, RDRAM Design Guide, April 20, 1995.		
	259.	Rambus's Opening Claim Construction Brief, dated Oct. 27, 2003.		
	260.	Rambus's Opposition To Hynix's Motion For Summary Judgment Of Invalidity Under Rambus's Proposed Construction Of "Synchronous Memory Device," dated Feb. 11, 2004.		
	261.	Rambus's Opposition To Hynix's Motion For Summary Judgment Of Invalidity Of Claims Referring To "Precharge information" Under Rambus's Proposed Construction, dated Feb. 11, 2004.		
	262.	Rambus's Opposition to Hynix's Motion For Summary Judgment Of Non-Infringement Under Proposed Constructions Of "Block Size Information," dated Feb. 11, 2004.		
	263.	Rambus's Opposition To Hynix's Motion For Summary Judgment Of Noninfringement Under Hynix's Proposed Construction Of "Second External Clock Signal" Or, in The Alternative, Invalidity Under Rambus's Proposed Construction, dated Feb. 11, 2004.		
	264.	Rambus's Opposition To Hynix's Motion For Summary Judgment Of Noninfringement Under Hynix's Proposed Construction Of The Term "Device" Or, In The Alternative, Invalidity Under Rambus's Proposed Construction, dated Feb. 11, 2004.		
	265.	Rambus's Opposition To Hynix's Motion For Summary Judgment Of Noninfringement Under Hynix's Proposed Construction Of "Operation Code" Or, In The Alternative, Invalidity Under Rambus's Proposed Construction, dated Feb. 11, 2004.		
	266.	Rambus's Reply Claim Construction Brief, dated Feb. 3, 2006.		
	267.	Rambus's Supplemental Brief Re Construction of "Synchronous Memory Device" And Definition Of "Packet," dated Mar. 26, 2004.		
	268.	Replacement Request for Inter Partes Reexamination Under 35 U.S.C. §§ 311-318 in Reexam of U.S. Patent 6,378,020 dated January 31, 2008.		

EXAMINER SIGNATURE	DATE CONSIDERED

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO		Application Number	10/716,595
INIEO	RMATION DISCLOSURE	Filing Date	November 20, 2003
		First Named Inventor	Michael Farmwald et al.
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	269.	Request for Inter Partes Reexamination under 35 U.S.C. §§ 311-318 for U.S. Patent No. 6,182,184 dated October 4, 2006.	TES			
	270.	Response of Hitachi, Ltd. to the Complaint and Notice of Investigation, dated May 19, 2000.				
	271.	Sakai, et al., "A Synchronous DRAM with New High-Speed I/O Lines Method for the Multimedia Age," IEICE Trans Electron, Vol. E78-C, No.7, July 1995				
	272.	Samsung Claim Chart for Claims 1, 2,4-7, 11-13, 15-21, 24-31, 33-36, and 38-39 of U.S. Patent No. 6,184,120 based on Park, with additional references to the JEDEC Standard as cited and filed in an Information Disclosure Statement Under 37 CFR §§ 1.933 & 1.555 in Inter Partes Reexaminations of 6,426,916 (95/000,166), 6,324,129 (95/000,178) and 6,182,184 (95/000,183) dated April 9, 2007.				
	273.	Samsung Claim Chart for Claims 1, 2, 4-7, 11-13, 15-21, 24-31, 33-36, and 38-39 of U.S. Patent No. 6,184,120 based on the JEDEC Standard as cited and filed in an Information Disclosure Statement Under 37 CFR §§ 1.933 & 1.555 in Inter Partes Reexaminations of 6,426,916 (95/000,166), 6,324,129 (95/000,178) and 6,182,184 (95/000,183) dated April 9, 2007.				
	274.	Samsung Claim Chart for Claims 1-29 of U.S. Patent No. 6,182,184 based on Budde, with additional reference to Inagaki, Johnson, Lofgren, and Grover as cited and filed in an Information Disclosure Statement Under 37 CFR §§ 1.933 & 1.555 in Inter Partes Reexaminations of 6,426,916 (95/000,166), 6,324,129 (95/000,178) and 6,182,184 (95/000,183) dated April 9, 2007.				
	275.	Samsung Claim Chart for Claims 1-39 of U.S. Patent No. 6,184,120 based on the iAPX Manual, with additional reference to Rau, Yoshida, Olson, Johnson, Lofgren, and Grover as cited and filed in an Information Disclosure Statement Under 37 CFR §§ 1.933 & 1.555 in Inter Partes Reexaminations of 6,426,916 (95/000,166), 6,324,129 (95/000,178) and 6,182,184 (95/000,183) dated April 9, 2007.				
	276.	Samsung Claim Chart for Claims 1-39 of U.S. Patent No. 6,184,120 based on Budde, with additional reference to Rau, Yoshida, Olson, Johnson, Lofgren, and Grover as cited and filed in an Information Disclosure Statement Under 37 CFR §§ 1.933 & 1.555 in Inter Partes Reexaminations of 6,426,916 (95/000,166), 6,324,129 (95/000,178) and 6,182,184 (95/000,183) dated April 9, 2007.				
	277.	Samsung Claim Chart for Claims 1-4, 10-17, 20-22, 24-26, and 29 of U.S. Patent No. 6,182,184 based on Hynix-1, with additional references to Hynix-2 and Hynix-3 as cited and filed in an Information Disclosure Statement Under 37 CFR §§ 1.933 & 1.555 in Inter Partes Reexaminations of 6,426,916 (95/000,166), 6,324,129 (95/000,178) and 6,182,184 (95/000,183) dated April 9, 2007.				

EXAMINER SIGNATURE	DATE CONSIDERED

PTO/SB/08B (08/03) (modified)

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/716,595
		Filing Date	November 20, 2003
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Titleis	140.	number(s), publisher, city and/or country where published	YES	NO	
	278.	Samsung Claim Chart for Claims 1-4, 7, 9-17, 19-26, and 28-29 of U.S. Patent No. 6,182,184 based on the JEDEC Standard as cited and filed in an Information Disclosure Statement Under 37 CFR §§ 1.933 & 1.555 in Inter Partes Reexaminations of 6,426,916 (95/000,166), 6,324,129 (95/000,178) and 6,182,184 (95/000,183) dated April 9, 2007.			
	279.	Samsung Claim Chart for Claims 1-4, 7, 9-17, 19-26, and 28-29 of U.S. Patent No. 6,182,184 based on Park, with additional references to the JEDEC Standard as cited and filed in an Information Disclosure Statement Under 37 CFR §§ 1.933 & 1.555 in Inter Partes Reexaminations of 6,426,916 (95/000,166), 6,324,129 (95/000,178) and 6,182,184 (95/000,183) dated April 9, 2007.			
	280.	Samsung Claim Chart or Claims 1-29 of U.S. Patent No. 6,182,184 based on the iAPX Manual, with additional reference to Inagaki, Johnson, Lofgren, and Grover as cited and filed in an Information Disclosure Statement Under 37 CFR §§ 1.933 & 1.555 in Inter Partes Reexaminations of 6,426,916 (95/000,166), 6,324,129 (95/000,178) and 6,182,184 (95/000,183) dated April 9, 2007.			
	281.	SLDRAM Consortium, 400 Mb/s/pin SLDRAM, 4M x 18SLDRAM Pipelined, Eight Bank, 2.5v Operation, Rev. 8/27/97.			
	282.	SyncLink, "Draft Standard for a High-Speed Memory Interface (SyncLink), Microprocessor and Microcomputer Standards Subcommittee of the IEEE Computer Society, IEEE Copyright 1996.			
	283.	Thorp, J.S., et al., "Real Time Voltage-Phasor Measurements for Static State Estimation," IEEE Transactions on Power Apparatus and Systems, Vol. PAS-104, No. 11, pgs 3098-3106, 11 November 1985.			
	284.	Vasanthavada, et al., "Synchronization of Fault-Tolerant Clocks in the Presence of Malicious Failures," IEEE Transactions on Computers, ,Vol. 37, No. 4, pp. 440-449, April 1988			
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	286.	"Burndy Connect," Advertisement, Electronic Engineering Times, pg. T24-T25, February 24, 1986.			
	287.	Transmittal of Office Action Communication in Third Party Requester Inter Partes Reexamination Control No. 95/001,008 (6,715,020) mailed February 15, 2008			

EXAMINER SIGNATURE	DATE CONSIDERED